

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/716,063

Source: JFWO

Date Processed by STIC: 3/25/04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 703-308-4212; FAX: 703-308-4221

Effective 12/13/03: TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE SEE BELOW FOR ADDRESS

<http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm>

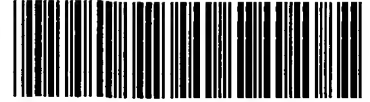
Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses

1. EFS-Bio (<<http://www.uspto.gov/efb/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313 1450
3. Hand Carry directly to (EFFECTIVE 12/01/03):
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 10/08/03



IFWO

RAW SEQUENCE LISTING

DATE: 03/25/2004

PATENT APPLICATION: US/10/716,063

TIME: 09:10:42

Input Set : A:\Seq.Lst

Output Set: N:\CRF4\03252004\J716063.raw

3 <110> APPLICANT: BRUCHEZ, Marcel P.
 4 LAI, Jennifer
 5 PHILLIPS, Vince
 6 WATSON, Andrew R.
 7 WONG, Edith
 9 <120> TITLE OF INVENTION: LOOP PROBE HYBRIDIZATION ASSAY FOR POLYNUCLEOTIDE ANALYSIS
 11 <130> FILE REFERENCE: 5100-0703.01
 13 <140> CURRENT APPLICATION NUMBER: 10/716,063
 14 <141> CURRENT FILING DATE: 2003-11-17
 16 <150> PRIOR APPLICATION NUMBER: 09/815,510
 17 <151> PRIOR FILING DATE: 2001-03-22
 19 <150> PRIOR APPLICATION NUMBER: 60/191,227
 20 <151> PRIOR FILING DATE: 2000-03-22
 22 <150> PRIOR APPLICATION NUMBER: 60/237,000
 23 <151> PRIOR FILING DATE: 2000-09-29
 25 <160> NUMBER OF SEQ ID NOS: 24
 27 <170> SOFTWARE: PatentIn version 3.2
 29 <210> SEQ ID NO: 1
 30 <211> LENGTH: 25
 31 <212> TYPE: DNA
 32 <213> ORGANISM: Artificial
 34 <220> FEATURE:
 35 <223> OTHER INFORMATION: mbD7S8A - give source of genetic material
 38 <220> FEATURE: ON LINE 223?
 39 <221> NAME/KEY: misc_feature
 40 <222> LOCATION: (23)..(23)
 41 <223> OTHER INFORMATION: N = (biotin dT)
 43 <400> SEQUENCE: 1
 W--> 44 gcagcccttt cccggaatgc gcngc 25
 47 <210> SEQ ID NO: 2
 48 <211> LENGTH: 30
 49 <212> TYPE: DNA
 50 <213> ORGANISM: Artificial
 52 <220> FEATURE:
 53 <223> OTHER INFORMATION: cmb D7S8A - SAME PRIMER
 55 <400> SEQUENCE: 2
 56 tatgaccagc attccgggaa aggggaagaaa 30
 59 <210> SEQ ID NO: 3
 60 <211> LENGTH: 27
 61 <212> TYPE: DNA
 62 <213> ORGANISM: Artificial
 64 <220> FEATURE:
 65 <223> OTHER INFORMATION: mbWNT5A - SAME PRIMER

pg. 6
 Does Not Comply
 Corrected Diskette Needed
 (pg. 1-5)

RAW SEQUENCE LISTING

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TIME: 09:10:42

Input Set : A:\Seq.Lst

Output Set: N:\CRF4\03252004\J716063.raw

Same errors

68 <220> FEATURE:

69 <221> NAME/KEY: misc_feature

70 <222> LOCATION: (25)..(25)

71 <223> OTHER INFORMATION: N = (biotin dT)

73 <400> SEQUENCE: 3

W--> 74 gcacgcacaa actggtccac gacgngc 27

77 <210> SEQ ID NO: 4

78 <211> LENGTH: 30

79 <212> TYPE: DNA

80 <213> ORGANISM: Artificial

82 <220> FEATURE:

83 <223> OTHER INFORMATION: cmbWNT5A

85 <400> SEQUENCE: 4

86 acggagatcg tggaccagtt tgtgtgcaag 30

89 <210> SEQ ID NO: 5

90 <211> LENGTH: 27

91 <212> TYPE: DNA

92 <213> ORGANISM: Artificial

94 <220> FEATURE:

95 <223> OTHER INFORMATION: mbG

98 <220> FEATURE:

99 <221> NAME/KEY: misc_feature

100 <222> LOCATION: (24)..(24)

101 <223> OTHER INFORMATION: N = (biotin dT)

103 <400> SEQUENCE: 5

W--> 104 gcgagccacc aaagatgata tgcncgc 27

107 <210> SEQ ID NO: 6

108 <211> LENGTH: 30

109 <212> TYPE: DNA

110 <213> ORGANISM: Artificial

112 <220> FEATURE:

113 <223> OTHER INFORMATION: cmbG

115 <400> SEQUENCE: 6

116 aaagaaaata tcatcttttg tgtttcctat 30

119 <210> SEQ ID NO: 7

120 <211> LENGTH: 27

121 <212> TYPE: DNA

122 <213> ORGANISM: Artificial

124 <220> FEATURE:

125 <223> OTHER INFORMATION: mbT

128 <220> FEATURE:

129 <221> NAME/KEY: misc_feature

130 <222> LOCATION: (24)..(24)

131 <223> OTHER INFORMATION: N = (biotin dT)

133 <400> SEQUENCE: 7

W--> 134 gcgagccacc aaatatgata tgcncgc 27

137 <210> SEQ ID NO: 8

138 <211> LENGTH: 30

139 <212> TYPE: DNA

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/716,063

DATE: 03/25/2004

TIME: 09:10:42

Input Set : A:\Seq.Lst

Output Set: N:\CRF4\03252004\J716063.raw

Same error

140 <213> ORGANISM: Artificial
142 <220> FEATURE:
143 <223> OTHER INFORMATION: cmbT
145 <400> SEQUENCE: 8
146 aaagaaaata tcatatttgg tgtttcctat 30
149 <210> SEQ ID NO: 9
150 <211> LENGTH: 25
151 <212> TYPE: DNA
152 <213> ORGANISM: Artificial
154 <220> FEATURE:
155 <223> OTHER INFORMATION: LDLr Loop A-5
157 <400> SEQUENCE: 9
158 cgagcatatg gtcctcttcc gctcg 25
161 <210> SEQ ID NO: 10
162 <211> LENGTH: 25
163 <212> TYPE: DNA
164 <213> ORGANISM: Artificial
166 <220> FEATURE:
167 <223> OTHER INFORMATION: LDLr Loop B-5
169 <400> SEQUENCE: 10
170 cgagcatatg gttctcttcc gctcg 25
173 <210> SEQ ID NO: 11
174 <211> LENGTH: 31
175 <212> TYPE: DNA
176 <213> ORGANISM: Artificial
178 <220> FEATURE:
179 <223> OTHER INFORMATION: LDLr test A
181 <400> SEQUENCE: 11
182 cccagtgtgg aagaggacca tatcctctgg g 31
185 <210> SEQ ID NO: 12
186 <211> LENGTH: 31
187 <212> TYPE: DNA
188 <213> ORGANISM: Artificial
190 <220> FEATURE:
191 <223> OTHER INFORMATION: LDLr test B
193 <400> SEQUENCE: 12
194 cccagtgtgg aagagaacca tatcctctgg g 31
197 <210> SEQ ID NO: 13
198 <211> LENGTH: 20
199 <212> TYPE: DNA
200 <213> ORGANISM: Artificial
202 <220> FEATURE:
203 <223> OTHER INFORMATION: LDLrsb
205 <400> SEQUENCE: 13
206 tcacaggttc cgatgtcaac 20
209 <210> SEQ ID NO: 14
210 <211> LENGTH: 19
211 <212> TYPE: DNA
212 <213> ORGANISM: Artificial

RAW SEQUENCE LISTING

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Input Set : A:\Seq.Lst

Output Set: N:\CRF4\03252004\J716063.raw

214 <220> FEATURE:
 215 <223> OTHER INFORMATION: LDLrab
 217 <400> SEQUENCE: 14
 218 cagggtgggtc ctctcacac 19
 221 <210> SEQ ID NO: 15
 222 <211> LENGTH: 151
 223 <212> TYPE: DNA
 224 <213> ORGANISM: Artificial
 226 <220> FEATURE:
 227 <223> OTHER INFORMATION: Sequence spanning the D7S8 locus upper strand
 230 <220> FEATURE:
 231 <221> NAME/KEY: misc_feature
 232 <222> LOCATION: (50)..(50)
 233 <223> OTHER INFORMATION: X: Location of SNP
 234 X=C/G: Allele A
 235 X=T/A: Allele B
 237 <400> SEQUENCE: 15

W--> 238 ctagggatgt tctgtctca gggaccctga ccttattgct cccctttccn ggaatgctgg 60
 240 tcttgacaca ataataaag ctctgagaag gcagccattt ttgtatgctt tactccaggc 120
 242 tactttctcaa ctgcagaac agggcttggc a 151

245 <210> SEQ ID NO: 16
 246 <211> LENGTH: 151
 247 <212> TYPE: DNA
 248 <213> ORGANISM: Artificial
 250 <220> FEATURE:
 251 <223> OTHER INFORMATION: Sequence spanning the D7S8 locus lower strand
 254 <220> FEATURE:
 255 <221> NAME/KEY: misc_feature
 256 <222> LOCATION: (102)..(102)
 257 <223> OTHER INFORMATION: X: location of SNP
 258 X=C/G: Allele A
 259 X=T/A: Allele B
 261 <400> SEQUENCE: 16

W--> 262 tgccaagccc tgttctgcca gttgagaagt agcctggagt aaagcataca aaaatggctg 60
 264 ccttctcaga gottatatta ttgtgtcagg accagcattc cnggaaaggg gagcaataag 120
 266 gtcagggtcc ctgagacagg aacatcccta g 151

269 <210> SEQ ID NO: 17
 270 <211> LENGTH: 19
 271 <212> TYPE: DNA
 272 <213> ORGANISM: Artificial
 274 <220> FEATURE:
 275 <223> OTHER INFORMATION: 76bp fragment PCR forward primer
 277 <400> SEQUENCE: 17
 278 gggaccctga ccttattgc 19
 281 <210> SEQ ID NO: 18
 282 <211> LENGTH: 19
 283 <212> TYPE: DNA
 284 <213> ORGANISM: Artificial
 286 <220> FEATURE:

please use "N" instead of "X".
 please explain which nucleotide represents Allele A & B.

please use "N" instead of "X".
 please explain which nucleotide represents Allele A & B.

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/716,063

DATE: 03/25/2004

TIME: 09:10:42

Input Set : A:\Seq.Lst

Output Set: N:\CRF4\03252004\J716063.raw

287 <223> OTHER INFORMATION: 76bp fragment PCR reverse primer
 289 <400> SEQUENCE: 18
 290 tggctgcctt ctcagagct 19
 293 <210> SEQ ID NO: 19
 294 <211> LENGTH: 21
 295 <212> TYPE: DNA
 296 <213> ORGANISM: Artificial
 298 <220> FEATURE:
 299 <223> OTHER INFORMATION: 151bp fragment PCR forward primer
 301 <400> SEQUENCE: 19
 302 ctagggatgt tcctgtctca g 21
 305 <210> SEQ ID NO: 20
 306 <211> LENGTH: 20
 307 <212> TYPE: DNA
 308 <213> ORGANISM: Artificial
 310 <220> FEATURE:
 311 <223> OTHER INFORMATION: 151bp fragment PCR reverse primer
 313 <400> SEQUENCE: 20
 314 tgccaagccc tgttctgcga 20
 317 <210> SEQ ID NO: 21
 318 <211> LENGTH: 25
 319 <212> TYPE: DNA
 320 <213> ORGANISM: Artificial
 322 <220> FEATURE:
 323 <223> OTHER INFORMATION: mbD7S8B - SAME ERRN
 326 <220> FEATURE:
 327 <221> NAME/KEY: misc_feature
 328 <222> LOCATION: (23)..(23)
 329 <223> OTHER INFORMATION: N = (biotin dT)
 331 <400> SEQUENCE: 21
 W--> 332 gcagcccttt cctggaatgc gcngc 25
 335 <210> SEQ ID NO: 22
 336 <211> LENGTH: 30
 337 <212> TYPE: DNA
 338 <213> ORGANISM: Artificial
 340 <220> FEATURE:
 341 <223> OTHER INFORMATION: Complementary D7S8B - SAME ERRN
 343 <400> SEQUENCE: 22
 344 tatgaccagc attccaggaa agggaagaaa 30
 347 <210> SEQ ID NO: 23
 348 <211> LENGTH: 24
 349 <212> TYPE: DNA
 350 <213> ORGANISM: Artificial
 352 <220> FEATURE:
 353 <223> OTHER INFORMATION: AminoD7S8A - SAME ERRN
 355 <400> SEQUENCE: 23
 356 ttttttacca gcattccggg aaag 24
 359 <210> SEQ ID NO: 24
 360 <211> LENGTH: 24

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/716,063

DATE: 03/25/2004
TIME: 09:10:43

Input Set : A:\Seq.Lst
Output Set: N:\CRF4\03252004\J716063.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 23
Seq#:3; N Pos. 25
Seq#:5; N Pos. 24
Seq#:7; N Pos. 24
Seq#:15; N Pos. 50
Seq#:16; N Pos. 102
Seq#:21; N Pos. 23

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/716,063

DATE: 03/25/2004

TIME: 09:10:43

Input Set : A:\Seq.Lst

Output Set: N:\CRF4\03252004\J716063.raw

L:44 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:74 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:104 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
L:134 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0
L:238 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0
L:264 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:60
L:332 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0